

NOVEMBER/DECEMBER 2023

**23UFSC14 — PROBLEM SOLVING
TECHNIQUE**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL Questions

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1. What is translator?
 2. Define software.
 3. Write short note on data type.
 4. How to test a program in Pseudo-code?
 5. What is PDC?
 6. List the types of array.
 7. Define flow chart.
 8. What is DFD?
 9. Write short note on program modules.
 10. Define functions.

SECTION B — (5 × 5 = 25 marks)

Answer ALL Questions

11. (a) Explain about the types of computers.

Or

- (b) Discuss about the history and characteristics of computer.

12. (a) Give an explanation of the Pseudo-code.

Or

- (b) Write detailed note on Hierarchy of operations and output.

13. (a) Illustrate the application of selection structures.

Or

- (b) Summarize the counter controlled loops.

14. (a) Examine the Numeric data.

Or

- (b) Describe the one dimensional array.

15. (a) Narrate the functions and recursion.

Or

- (b) Exemplify the scope of the variable.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE Questions

16. Elaborate on the hardware and anatomy of computer.

17. Discuss the features, benefits and drawbacks of algorithm.

18. Elucidate on the relational and logical operators.

19. Elaborate on arrays and its types.

20. Describe on the concept of sequential files.

